00010 5204

CORRES. CONTROL
LTR. NO.
Originator Ltr Log #
ALP-040-99
98 - RF -

DIST.	LTR	ENC
BENSON, C.A.		
CARMEAN, C.H.		
CRAWFORD, A.C.		
DAWSON, D.		
FINDLEY, M.E.		
FITZ, R.C.		
GUINN, L.A.		
HUGHES, F.P.		
LAW, J.E.	✓	
MILLS, STEVE		
OVERLID, T.W.		
PATTERSON, J.W.		
SUTTON, S.R.		
TRICE, KELLY		
WHEELER, M.		
Bemski, M	✓	
Gadbury, T.	✓	
England, T.	✓	
RMRS RECORDS	X	✓
[redacted]	X	
RF CORRES. CONTROL		
TRAFFIC		
PATS/T130G		

CLASSIFICATION:		
UCNI		
UNCLASSIFIED		
CONFIDENTIAL		
SECRET		

AUTHORIZED CLASSIFIER SIGNATURE:

Date: 7-1-99

IN REPLY TO RF CC NO.:

ACTION ITEM STATUS:
PARTIAL/OPEN
CLOSED

LTR APPROVALS:
ALP

ORIG. & TYPIST INITIALS:
ALP:AW

MRS Rocky Mountain Remediation Services, L.L.C.
. . . protecting the environment
lats Environmental Technology Site
(464
Colorado 80402-0464
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July 1, 1999

T. Greengard
Waste & Remediation Operations
Kaiser-Hill, L.L.C.
Building 130

FIELD MODIFICATION OF THE SOLAR PONDS PLUME IM/IRA - ALP-040-99

This field modification of the Solar Ponds Plume Interim Measure/Interim Remedial Action (IM/IRA) is submitted to document a minor change in the construction approach for the Solar Ponds Plume project.

To expedite installation of the collection trench, the area is currently being cut down by approximately 10 feet to reduce the depth of the excavation required for installation of the collection system. Barrier panels will also be shortened.

Groundwater flow is generally in the colluvium immediately above the bedrock surface and in the weathered bedrock. In addition, the current Interceptor Trench System (ITS) system already captures 85% or more of the groundwater in the Solar Ponds Plume. This water will enter the new collection system along pre-existing laterals.

Based on the depth to water and the expected depth of the existing ITS piping, if the barrier panels extend from the base of the collection trench to within 10 feet of the ground surface, downgradient flow will be effectively blocked, and the groundwater plume will be effectively captured.

Instead of installing the barrier panels from the bottom of the trench to the ground surface, the panels will be installed at sufficient depth below ground surface to ensure that groundwater flow through the subsurface and through the ITS system is effectively blocked. Modifications will be as follows.

1. At the western end of the system, (the western 350 feet) groundwater within the collection trench will be at the highest elevation. Panels will be installed at an elevation of 5893, approximately 8 feet above the projected groundwater table and between 5 and 10 feet below ground surface.
2. For the middle 350 feet of the collection system, the top of panels will be 10 feet below ground surface.

1/2

3. At the eastern end of the system, (the eastern 250 feet) the top of panels will be approximately 5 below ground surface due to the expected occurrence of ITS collection pipes at depths about 10 feet below ground surface.

The change will be documented in the completion report for this project, but the IM/IRA will not be reissued. Per your conversation, the above field modification has been discussed and agreed to by Gary Kleeman of the EPA and Carl Spreng of the CDPHE.

A. L. Primrose
Groundwater Remediation

aw

C. S. Dayton
L. M. Brooks
J. L. Butler